

# **COMPLETE POMEGRANATE PACKAGE FOR FARMERS BY VST SHAKTI**





## INTRODUCTION



Agriculture is undergoing a gradual shift from dependence on human & animal power to mechanical power because of increased cost to maintain and feed the animal as well as increasing scarcity of human labour. However the Mechanical power is largely used by big land holding farmers and still beyond the reach of small / marginal holding farmers.

Thus there is an urgent and strong need for taking farm mechanization to the small and marginal land holding farmers who hold 80% of total India land holding. They are unable to own high end machine due to their economic condition. To increase and support mechanisation to this segment there is a need of affordable machinery which can work though out the year with low initial investment and less operational / maintenance cost. This kind of innovative farm machinery package can bring mechanization and also make agriculture more sustainable & profitable. The expanded usage of internet and TV has also influenced the farmers to adapt mechanization.



## MISSION & OBJECTIVES



- Increasing the reach of farm mechanization at affordable cost to small and marginal farmers and to the regions where availability of farm power is low.
- Offsetting adverse 'economies of scale' and 'higher cost of ownership' of high value farm equipment by promoting Innovative complete crop solution at affordable initial investment
- Passing on the benefit of hi-tech, high value and hi-productive agricultural machinery to farmers through creating hubs for such farm equipment.
- Promoting farm mechanization by creating awareness among stakeholders through demonstration and capacity building activities.
- Making agriculture as a profitable business.





VST SHAKTI

VST Company has introduced an innovative & affordable complete pomegranate package for farmers. The package will cover the complete process, agricultural implements required, key benefits of using VST Shakti tractors for cultivation and economics of pomegranate farming through rural young entrepreneurs.





## WHY VST SHAKTI TRACTORS ARE MOST SUITABLE FOR POMEGRANATE CULTIVATION



- It is India's First Small, 4 Wheel Drive Tractor – A compact proven model.
- Light in Weight, Less Vibration with 3 cylinder engine.
- Rotary widths: 900 mm (2.9 ft) & 1100 mm (3.6 ft)
- Turning Radius : With Brake 2.1 m (6.9 ft); Without Brake 2.5 m (8.2 ft)
- Best for Inter cultivation – 1.2 m (4ft), 1.5 m (5 ft) & 1.8 m (6 ft) row spacing.
- Unique Japanese design; Wide network availability for Service & Spares, Good Resale Value.
- Less Soil compaction; Very Good Tilling; 25% increase in yield and Field Operation.
- Established Brand name with decades of good will among the Farming Community.
- Gear Box is best designed to match our Rotary.
- Lasts for a lifetime.





## FIELD PREPARATION

### ROTARY

- Simple in construction with robust design, appropriate for medium soil conditions
- The application includes : Soil conditioning, weed control, seedbed preparation & puddling in wet land.
- Most suitable for large & medium farmers and field preparation for wet and dry land crop.
- 28 tynes can be fitted – J type for wet and L/straight for dry land.
- 2.5 ~ 3 acres of land can be covered in a day with average diesel consumption of 2.25 ~ 2.5 lts / hr
- Depth of Tilling is 100 (3.9 inches) ~ 125 (4.9 inches) mm.
- Available in 2 widths - 900 mm (2.9 ft) & 1100 mm (3.6 ft)

### REVERSIBLE PLOUGH

- This is well designed for ploughing.
- Basic functions are inverting, breaking and raising of soil.
- Can be used in tough conditions
- Tills the soil which has deep roots, unwanted plants, shrubs and weeds.
- Ease of rotating manually using a lever and wire rope.
- Shares are made of tough alloy steel, can be moved forward as and when wear takes place due to usage in field
- Long life is assured as 4 ploughs will be used alternately
- 5 ~ 6 acres of land can be ploughed in a day
- Diesel consumption is 1.5 ~ 1.75 lts / hr







## SPRAYING



- Sprayer is essential to spraying pesticides and insecticides to avoid insects/disease to plants.
- Sprayers with tank capacities from 200 to 600 lts are available suitable for farmers' budget and field size.
- Covers about 1.5 ~ 2.75 acres per hour of operation depending on the sprayer used.
- Diesel consumption is about 2.75 lts / hr of operation.
- High atomization spray is made possible with superior technology of spray pumping unit.





## INTER CULTIVATION

### DE-WEEDING

- De-weeding is essential to ensure water/manure is made available for main crop.
- Unwanted grass, weeds, small shrubs etc have to be removed from time to time.
- Cultivator/Rotary can be effectively used for de-weeding process.
- Covers 0.5 ~ 0.75 acres in 1 hour.
- Consumption of diesel is 2.25 ~ 2.5 lts / hr.







## HAULAGE

- Trailer of 3 tons capacity can be fitted for transportation.
- Primarily useful for transporting manure, chemicals, implements, pomegranates etc
- Types of Trailers:
  - Standard – 2.43 x 1.37 x 0.61 meter (8 x 4.5 x 2 feet) (L x W x H)
  - Mechanical Tipping as well as hydraulic tipping.
  - Water tanker of capacity 2000 ltrs can be fitted for carrying water.
  - Average consumption of diesel is 2.5 lts / hr





## INVESTMENT



SL. NO.	IMPLEMENTS	INDICATIVE PRICE* (Rs.)
1	VST Shakti VT 224-1D AJAI 4WB Tractor	3,70,000
2	Cultivator	18,269
3	Rotary	45,000
4	Sprayer	1,55,000
5	<b>Total Cost</b>	<b>5,88,269</b>

\* As on June 2016



## INVESTMENT (WITH DIFFERENT SPRAYER SYSTEMS)

SL. NO.	IMPLEMENTS	IND. PRICE* (Rs.)	IND. PRICE* (Rs.)	IND. PRICE* (Rs.)	IND. PRICE* (Rs.)	IND. PRICE* (Rs.)	IND. PRICE* (Rs.)
1	VST Shakti VT 224-1D AJAI 4WB Tractor	3,70,000	3,70,000	3,70,000	3,70,000	3,70,000	3,70,000
2	Cultivator	18,269	18,269	18,269	18,269	18,269	18,269
3	Rotary	45,000	45,000	45,000	45,000	45,000	45,000
4	Reversible MB Plough	23,325	23,325	23,325	23,325	23,325	23,325
5	Leveller	12,225	12,225	12,225	12,225	12,225	12,225
6	Sprayer	1,35,000	1,55,000	2,40,000	4,70,000	6,43,750	1,95,09,350
7	Trailer	85,000	85,000	85,000	85,000	85,000	85,000
	<b>Total cost</b>	<b>6,88,819</b>	<b>7,08,819</b>	<b>7,93,819</b>	<b>10,23,819</b>	<b>11,97,569</b>	<b>2,00,63,169</b>

8	Sprayer Models	Pragati Gold Back 250 lts	Pragati Gold Front 250 lts	MITRA MASTER 200 lts	POMEMASTER Linear Reverse	CIMA 200 lts	ESS 200 lts
---	----------------	---------------------------	----------------------------	----------------------	---------------------------	--------------	-------------

\* As on June 2016





## TRACTOR MANUFACTURING PLANT AT HOSUR



VST SHAKTI



**V.S.T. TILLERS TRACTORS LTD.**  
( CIN-L34101KA1967PLC001706 )

**Hosur Plant :** Plot No.39, Phase-1, Sipcot  
Industrial Complex, Mookandapalli,  
HOSUR – 635 126, Tamil Nadu.

**Regd. Office :** Plot No. 1, Dyavasandra Indl.  
Layout, Whitefield Road, Mahadevapura  
Post, Bangalore – 560 048.  
[www.vsttillers.com](http://www.vsttillers.com)



Follow us on:

